

Title (en)
CATALYST PRECURSOR, METHOD FOR PRODUCING THE SAME, METHOD FOR USING THE SAME, AND REACTOR THAT USES THE SAME

Title (de)
KATALYSATORVORLÄUFER, HERSTELLUNGSVERFAHREN DAFÜR, VERFAHREN ZU SEINER VERWENDUNG UND REAKTOR DAMIT

Title (fr)
PRÉCURSEUR DE CATALYSEUR, SON PROCÉDÉ DE PRODUCTION, SON PROCÉDÉ D UTILISATION ET RÉACTEUR QUI L UTILISE

Publication
EP 2457656 A1 20120530 (EN)

Application
EP 10802230 A 20100716

Priority
• JP 2009170507 A 20090721
• JP 2010062065 W 20100716

Abstract (en)

The present invention provides the catalyst precursor that has excellent safety and stability, has high stable activity retention rate, can be recycled, increases yield resulted from a reaction, and is easily processed into various forms. The catalyst precursor comprises a structure in which the entire structure is composed of gold or a gold-based alloy and the surface of the structure is modified with elemental sulfur, or at least the surface of the structure is composed of gold or a gold-based alloy and the surface of the structure is modified with elemental sulfur, and a catalytic metal compound supported on the structure, wherein the catalyst precursor has peaks derived from the catalytic metal compound and also sulfur as analyzed by photoelectron spectroscopy, and wherein the peak derived from sulfur is of the sulfur 1s orbital observed within a range of 2470 eV ± 2 eV in terms of the peak top position.

IPC 8 full level

B01J 31/26 (2006.01); **B01J 37/02** (2006.01); **C07B 61/00** (2006.01); **C07C 2/82** (2006.01); **C07C 15/52** (2006.01); **C07C 15/54** (2006.01); **C07C 17/263** (2006.01); **C07C 25/18** (2006.01); **C07C 41/30** (2006.01); **C07C 43/225** (2006.01); **C07C 201/12** (2006.01); **C07C 205/06** (2006.01); **C07C 231/12** (2006.01); **C07C 231/14** (2006.01); **C07C 233/08** (2006.01); **C07D 491/113** (2006.01)

CPC (source: EP KR US)

B01J 23/52 (2013.01 - EP US); **B01J 27/04** (2013.01 - EP KR US); **B01J 31/12** (2013.01 - KR); **B01J 31/26** (2013.01 - KR); **B01J 35/30** (2024.01 - EP KR US); **B01J 35/56** (2024.01 - EP KR US); **B01J 35/58** (2024.01 - EP US); **B01J 37/0207** (2013.01 - EP KR US); **B01J 37/0209** (2013.01 - EP KR US); **B01J 37/0225** (2013.01 - EP KR US); **B01J 37/20** (2013.01 - EP US); **C07C 1/321** (2013.01 - EP US); **C07C 15/14** (2013.01 - KR); **C07C 17/263** (2013.01 - EP US); **C07C 41/30** (2013.01 - EP US); **C07C 231/12** (2013.01 - EP US); **C07D 491/113** (2013.01 - EP US); **B01J 23/44** (2013.01 - EP US); **B01J 31/06** (2013.01 - EP US); **B01J 2231/42** (2013.01 - EP US); **B01J 2231/4211** (2013.01 - EP US); **B01J 2231/4255** (2013.01 - EP US); **B01J 2231/4261** (2013.01 - EP US); **B01J 2231/4266** (2013.01 - EP US); **B01J 2231/4283** (2013.01 - EP US); **C07C 2523/44** (2013.01 - EP US); **C07C 2523/52** (2013.01 - EP US); **Y02P 20/52** (2015.11 - KR)

C-Set (source: EP US)

1. **C07C 1/321 + C07C 15/52**
2. **C07C 17/263 + C07C 25/18**
3. **C07C 41/30 + C07C 43/225**
4. **C07C 231/12 + C07C 233/11**

Cited by

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DOCDB simple family (publication)

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DOCDB simple family (application)

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